

Task History

June 22, 2011 10:29 PM

Saved answer set '10581274' opened

Answer set 7 created with 2 reference answers from CAPLUS

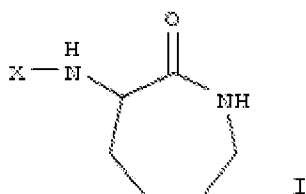
Detailed display from Answer set 7 of Preparation of 3-aminocaprolactam derivatives as anti-inflammatory agents

Preparation of 3-aminocaprolactam derivatives as anti-inflammatory agents

By: Grainger, David John; Fox, David John

Assignee: Cambridge University Technical Services Limited, UK

Title compds. I [X = acyl, sulfonyl, etc.] are prepd. For instance, (S)-3-((hexadecanoyl)amino)caprolactam is prepd. from (S)-3-aminocaprolactam.bul.HCl and hexadecanoyl chloride (CH₂Cl₂, Na₂CO₃) in 77% yield. In an assay of MCP-1 induced leukocyte migration, II and other selected example compds. have ED₅₀ < 100 nM. I are useful for the treatment of inflammatory disorders.

**Patent Information**

Patent No.	Kind	Date	Application No.	Date
WO 2005053702	A2	Jun 16, 2005	WO 2004-GB5030	Nov 30, 2004
WO 2005053702	A3	Sep 15, 2005		
CA 2547651	A1	Jun 16, 2005	CA 2004-2547651	Nov 30, 2004
EP 1691814	A2	Aug 23, 2006	EP 2004-798708	Nov 30, 2004
CN 1897953	A	Jan 17, 2007	CN 2004-80038968	Nov 30, 2004
JP 2007512387	T	May 17, 2007	JP 2006-542002	Nov 30, 2004
RU 2365585	C2	Aug 27, 2009	RU 2006-123438	Nov 30, 2004
EP 2279741	A2	Feb 2, 2011	EP 2010-11516	Nov 30, 2004
EP 2279741	A3	Jun 1, 2011		
AR 47730	A1	Feb 15, 2006	AR 2004-104477	Dec 1, 2004
MX 2006006218	A	Dec 11, 2006	MX 2006-6218	Jun 1, 2006
IN 2006DN03290	A	Apr 20, 2007	IN 2006-DN3290	Jun 7, 2006
US 20080227724	A1	Sep 18, 2008	US 2008-581274	May 30, 2008

Priority Application

GB 2003-27775	A	Dec 1, 2003
GB 2004-17436	A	Aug 5, 2004
GB 2004-17734	A	Aug 10, 2004
WO 2004-GB5030	W	Nov 30, 2004
EP 2004-798708	A3	Nov 30, 2004

Indexing

Heterocyclic Compounds (One Hetero Atom) (Section 27-21)
Section cross-reference(s): 1, 34, 63

Concepts

Wound
cutaneous; prepn. of 3-aminocaprolactam derivs. as anti-inflammatory agents

Patent Information

Jun 16, 2005
WO 2005053702
A2

Application

Nov 30, 2004
WO 2004-GB5030

Priority

Dec 1, 2003
GB 2003-27775
Aug 5, 2004
GB 2004-17436
Aug 10, 2004
GB 2004-17734
Nov 30, 2004
WO 2004-GB5030
Nov 30, 2004
EP 2004-798708

Source

PCT Int. Appl.
65 pp.
Patent
2005
CODEN: PIXXD2

Classifications

Main IPC A61K031-55
Secondary IPC
A61P029-00; A61P025-28; A61P037-00; A61P019-10; C07D223-10

Accession Number

2005:523294
CAN 143:59851
CAPLUS

Language

English

Adhesion, biological
Allergy
Allergy inhibitors
Alzheimer's disease
Anti-Alzheimer's agents
Anti-inflammatory agents
Antiasthmalics
Antifibrotic agents
Antirheumatic agents
Antitumor agents
Antiviral agents
Asthma
Autoimmune disease
Blood vessel, disease
Fibrosis
Human
Inflammation
Leukocyte
Neoplasm
Osteoporosis
Parasite
Psoriasis
Rheumatoid arthritis

prepn. of 3-aminocaprolactam derivs. as anti-inflammatory agents

Tumor necrosis factors

prepn. of 3-aminocaprolactam derivs. as anti-inflammatory agents

Biological study, unclassified; Biological study

Infection

viral; prepn. of 3-aminocaprolactam derivs. as anti-inflammatory agents

Skin, disease

wound; prepn. of 3-aminocaprolactam derivs. as anti-inflammatory agents

Substances

215115-36-9P (S)-(+)-3-Dodecanoylamino-caprolactam
 726187-67-3P (S)-(+)-3-((2',2'-Dimethylpropionyl)amino)-caprolactam
 847451-31-4P (S)-(+)-3-((Undec-10-enoyl)amino)-caprolactam
 847451-32-5P (S)-(+)-3-Undecanoylamino-caprolactam
 847451-33-6P
 847451-34-7P (S)-(+)-3-Tetradecanoylamino-caprolactam
 847451-35-8P (S)-(+)-3-Hexadecanoylamino-caprolactam
 847451-36-9P (S)-(+)-3-Octadecanoylamino-caprolactam
 847451-37-0P (S)-(Z)-(+)-3-((Hexadec-9-enoyl)amino)-caprolactam
 847451-38-1P (S)-(Z)-(+)-3-((Octadec-9-enoyl)amino)-caprolactam
 847451-39-2P (R)-(-)-3-Hexadecanoylamino-caprolactam
 847451-40-5P (R)-(Z)-(-)-3-((Octadec-9-enoyl)amino)-caprolactam
 853905-34-7P (S)-(+)-3-((2',2'-Dimethyl-dodecanoyl)amino)-caprolactam
 853905-35-8P (S)-(+)-3-((Decyloxy carbonyl)amino)-caprolactam
 853905-36-9P (S)-(E)-(+)-3-((Dodec-2-enoyl)amino)-caprolactam
 853905-37-0P (S)-(+)-3-((Dec-9-enylaminocarbonyl)amino)-caprolactam
 853905-38-1P (S)-(+)-3-((Decylaminocarbonyl)amino)-caprolactam
 853905-39-2P (R)-(-)-3-((2',2'-Dimethyl-dodecanoyl)amino)-caprolactam
 853905-40-5P (S)-(+)-3-((2',2'-Dimethylpentanoyl)amino)-caprolactam
 853905-41-6P (S)-(+)-3-((2',2'-Dimethylpent-4-enoyl)amino)-caprolactam
 853905-42-7P
 853905-43-8P
 853905-44-9P
 853905-45-0P (S)-(+)-3-((2',2',5'-Trimethyl-hexanoyl)amino)-caprolactam
 853905-46-1P (S)-(+)-3-((11'-Bromo-undecanoyl)amino)-caprolactam
 853905-47-2P (S)-(+)-3-((11'-Azido-undecanoyl)amino)-caprolactam
 853905-48-3P
 853905-49-4P (S)-(+)-3-((Decanysulfonyl)amino)-caprolactam
 853905-50-7P (S)-(+)-3-((Dodecanysulfonyl)amino)-caprolactam
 853905-51-8P (S)-(+)-3-((Tetradecanysulfonyl)amino)-caprolactam
 853905-52-9P (S)-(+)-3-((Hexadecanysulfonyl)amino)-caprolactam
 853905-53-0P (S)-3-((Octadecanysulfonyl)amino)-caprolactam
 853905-54-1P
 853905-55-2P (S)-3-((1',1'-Dimethylundecansulfonyl)amino)-caprolactam
 853905-56-3P (S)-(+)-3-((2'-Propylpentanoyl)amino)-caprolactam
 853905-57-4P
 853905-58-5P
 853905-59-6P (S)-(+)-3-((3',3'-Dimethyldodecanoyl)amino)-caprolactam
 853905-60-9P
 853905-61-0P
 853905-62-1P
 853905-63-2P
 853905-64-3P
 853905-65-4P
 853905-67-6P
 853905-68-7P
 1007123-30-9P

prepn. of 3-aminocaprolactam derivs. as anti-inflammatory agents

Pharmacological activity; Synthetic preparation; Therapeutic use; Biological study; Preparation; Uses

72-18-4 L-Valine, reactions
110-87-2 3,4-Dihydro-2H-pyran
112-16-3 Dodecanoyl chloride
112-31-2 Decanal
112-64-1 Tetradecanoyl chloride
112-67-4 Hexadecanoyl chloride
112-76-5 Octadecanoyl chloride
112-77-6 (Z)-Octadec-9-enoyl chloride
124-13-0 Octanal
547-63-7 Methyl isobutyrate
760-67-8 2-Ethylhexanoyl chloride
830-96-6 1H-Indole-3-propanoic acid
870-63-3 3-Methyl-but-2-enyl bromide
924-50-5 Methyl 3,3-dimethylacrylate
1191-69-1 Decyl isocyanate
2936-08-5 2-Propylpentanoyl chloride
3282-30-2 2,2-Dimethyl-propionyl chloride
4301-04-6
4835-90-9 2,2-Dimethyl-3-hydroxypropionic acid
5717-37-3 (Carbethoxyethylidene)triphenylphosphorane
5856-77-9 2,2-Dimethyl-butyryl chloride
10147-40-7 Dodecanesulfonyl chloride
10147-41-8 Octadecanesulfonyl chloride
13139-14-5
13231-76-0 Dec-9-enyl isocyanate
15721-22-9 2,2-Dimethyl-pentanoyl chloride
15949-84-5 11-Bromo-undecanoyl chloride
17746-05-3 Undecanoyl chloride
21568-87-6
26081-07-2 (S)-3-Amino-caprolactam hydrochloride
38460-95-6 10-Undecenoyl chloride
39482-46-7 2,2-Dimethyl-pent-4-enoyl chloride
39691-62-8 Nonylmagnesium bromide
40426-22-0 (Z)-Hexadec-9-enoyl chloride
41911-50-6 Hexadecanesulfonyl chloride
50321-59-0
55488-51-2 Decyl chloroformate
57835-78-6 10-Undecynoyl chloride
60631-34-7 2,2-Dimethyl-dodecanoyl chloride
60697-67-8 (E)-Dec-2-enyl bromide
61318-33-0 Tetradecanesulfonyl chloride
61652-81-1 Decanesulfonyl chloride
101711-78-8 (S)-4-Benzyl-3-propionyl-oxazolidin-2-one
112767-08-5 (E)-Dodec-2-enoyl chloride
131685-53-5 (R)-4-Benzyl-3-propionyl-oxazolidin-2-one
853905-74-5
917473-63-3
1017246-44-4
1017249-22-7
1017249-74-9
1028567-36-3
prepn. of 3-aminocaprolactam derivs. as anti-inflammatory agents
Reactant; Reactant or reagent

53663-29-9P (E)-2-Methyldodec-2-enoic acid
86478-19-1P Methyl 2,2,5-trimethyl-hex-4-enoate
102944-03-6P 3,3-Dimethyldodecanoic acid
130822-12-7P 2,2-Dimethyl-3-hydroxydecanoic acid
162635-08-7P 2,2-Dimethyl-3-(tetrahydropyran-2-yloxy)propionic acid
175732-06-6P Methyl 2,2-dimethyl-3-hydroxydecanoate
395072-70-5P (2S,3R)-3-Hydroxy-2-methyldecanoic acid
460352-58-3P
476690-74-3P (E)-Ethyl 2-methyldodec-2-enoate
853905-69-8P (E)-Methyl 2,2-dimethyl-dodec-4-enoate
853905-70-1P (E)-2,2-Dimethyl-dodec-4-enoyl chloride
853905-71-2P 2,2,5-Trimethyl-hex-4-enoyl chloride
853905-72-3P
853905-73-4P
prepn. of 3-aminocaprolactam derivs. as anti-inflammatory agents
Reactant; Synthetic preparation; Preparation; Reactant or reagent

1017254-96-4P
prepn. of 3-aminocaprolactam derivs. as anti-inflammatory agents
Synthetic preparation; Preparation

Supplementary Terms

inflammation antiinflammatory caprolactam prepn

Citations

Anon; WO 9807694 A1
Anon; EP 1008346 A1
Anon; US 5852007 A
Anon; US 5821231 A
Anon; WO 0168655 A2
Anon; EP 0351856 A2
Anon; WO 9817680 A1
Anon; US 6344450 B1

Tags

0 Tags

Comments

0 Comments

Copyright © 2011 American Chemical Society (ACS). All Rights Reserved.